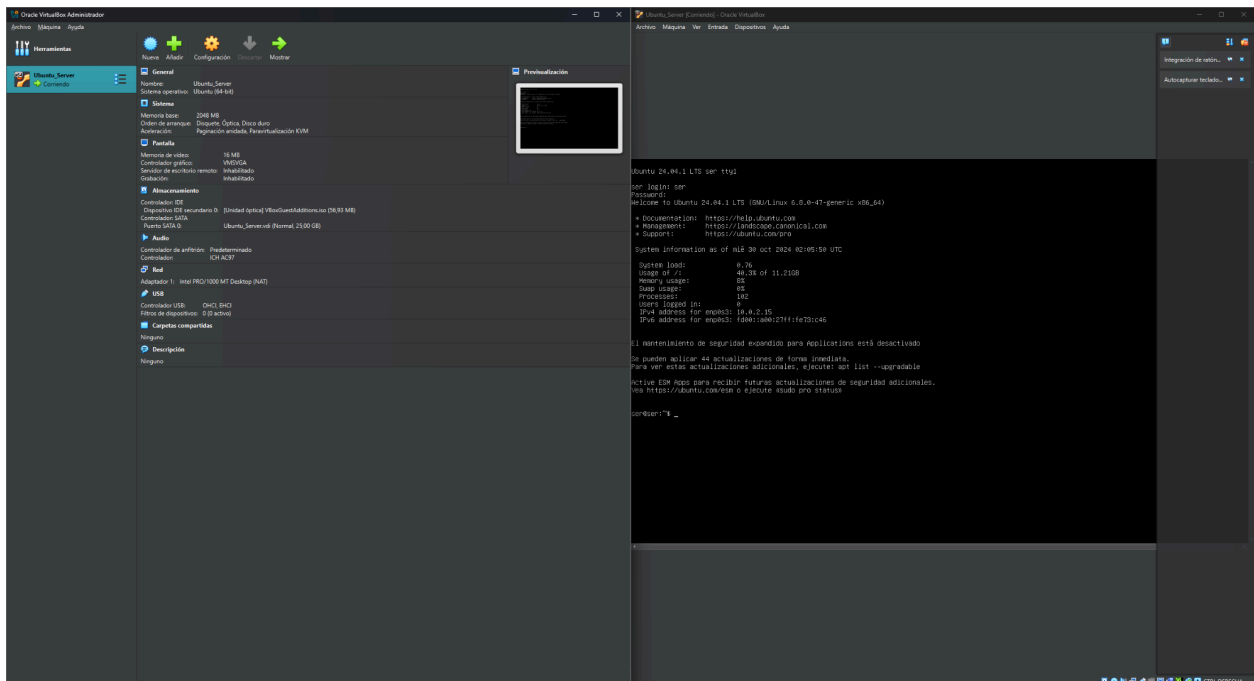
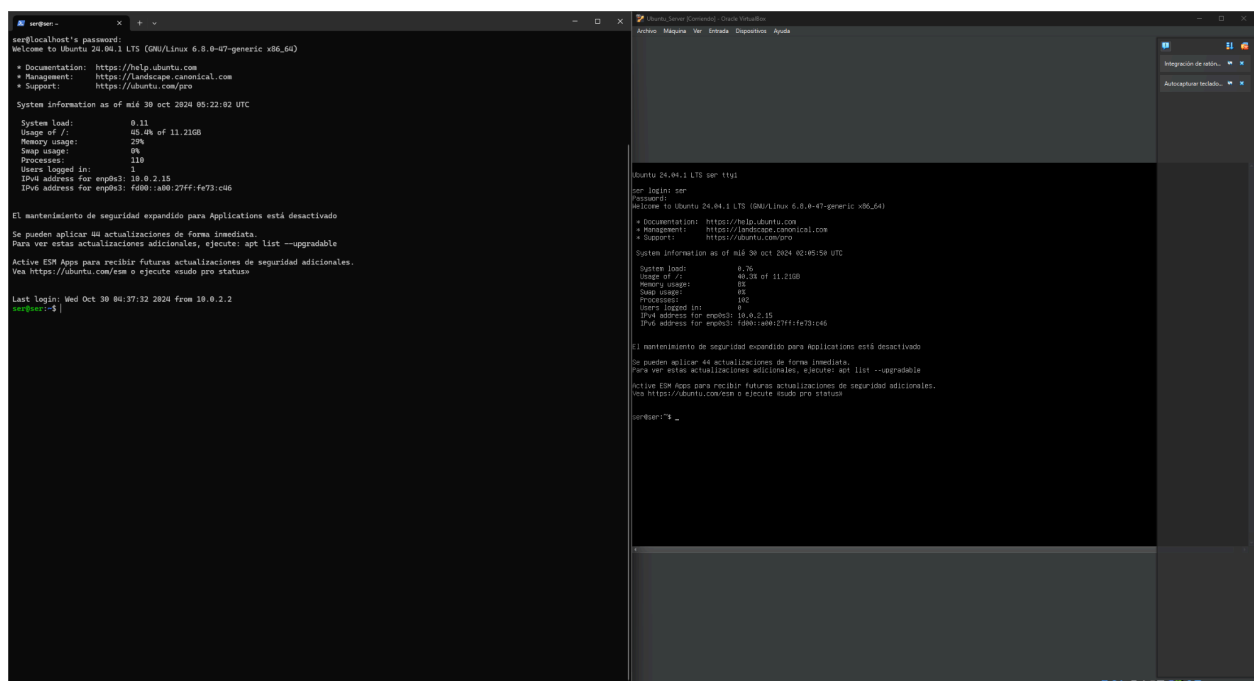


Práctica 1.UD2 - Sergio Jiménez González

Ejercicio 1. Crea una máquina virtual con Ubuntu Server.



Ejercicio 2. Realiza una conexión SSH a Ubuntu Server desde el SO host.



Ejercicio 3. Instala Apache y realiza las pruebas pertinentes para comprobar que funciona.

```
Last login: Wed Oct 30 04:37:32 2024 from 10.0.2.2
ser@ser:~$ sudo systemctl status apache2
[sudo] password for ser:
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-10-30 02:43:12 UTC; 2h 41min ago
     Docs: https://httpd.apache.org/docs/2.4/
  Process: 9538 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 9541 (apache2)
      Tasks: 7 (limit: 2275)
     Memory: 14.2M (peak: 14.5M)
        CPU: 1.414s
    CGroup: /system.slice/apache2.service
            └─9541 /usr/sbin/apache2 -k start
              └─9543 /usr/sbin/apache2 -k start
                └─9544 /usr/sbin/apache2 -k start
                  └─9545 /usr/sbin/apache2 -k start
                    └─9546 /usr/sbin/apache2 -k start
                      └─9547 /usr/sbin/apache2 -k start
                        └─9573 /usr/sbin/apache2 -k start

oct 30 02:43:12 ser systemd[1]: Starting apache2.service - The Apache HTTP Server...
oct 30 02:43:12 ser apachectl[9540]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.0.1:::
oct 30 02:43:12 ser systemd[1]: Started apache2.service - The Apache HTTP Server.
lines 1-21/21 (END)
```

Ejercicio 4. Instala MySQL y realiza las pruebas pertinentes para comprobar que funciona:

```
ser@ser:~$ sudo mysql
[sudo] password for ser:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| prueba |
| sys |
+-----+
5 rows in set (0,00 sec)

mysql> use prueba
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

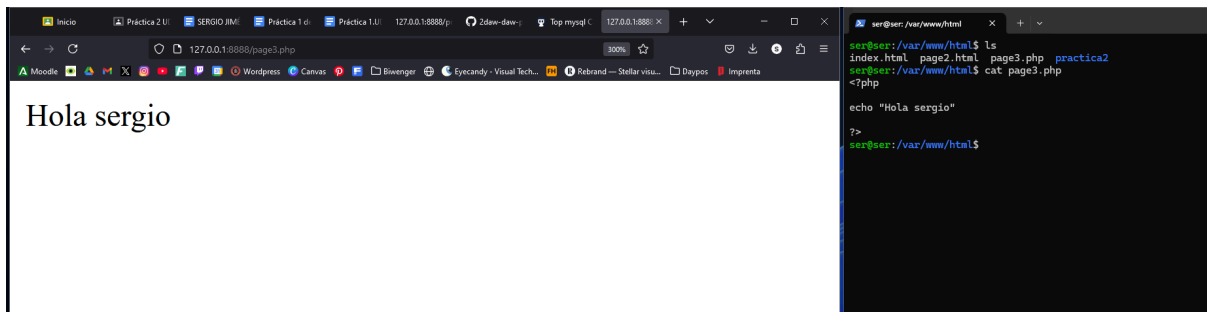
Database changed
mysql> use prueba;
Database changed
mysql> show tables
-> ;
+-----+
| Tables_in_prueba |
+-----+
| persona |
+-----+
1 row in set (0,00 sec)

mysql> describe persona;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nombre | varchar(255) | YES | | NULL | |
| edad | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0,00 sec)

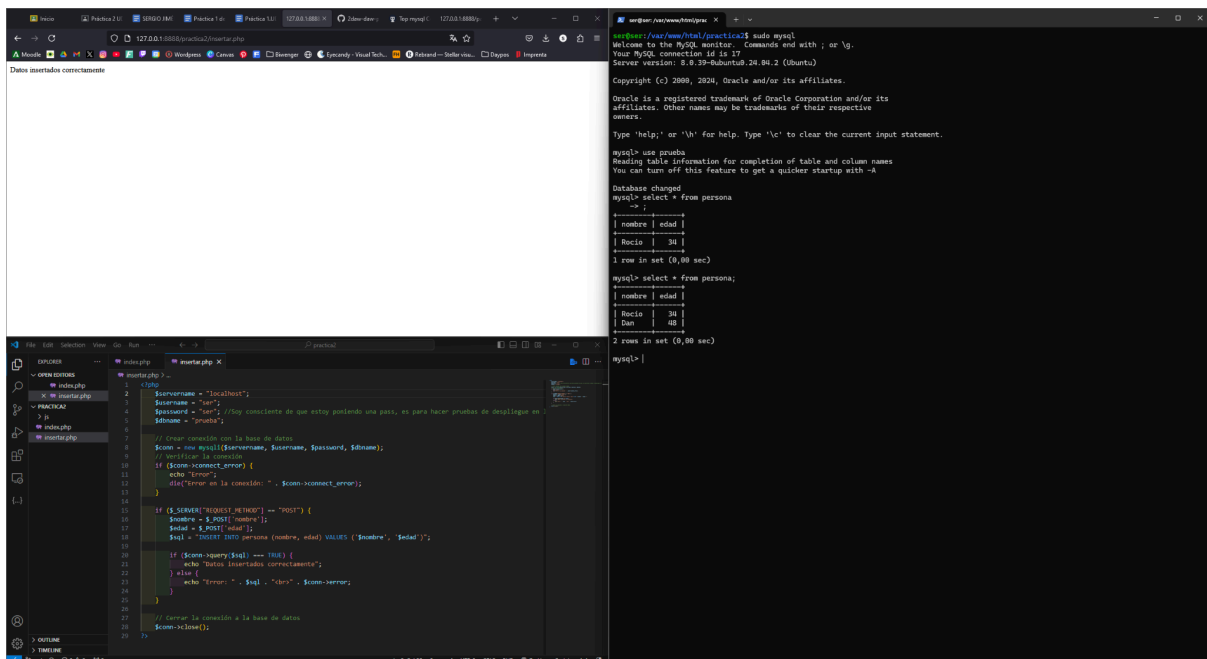
mysql>
```

Ejercicio 5. Instala PHP, enlazarlo con Apache y con MySQL y realizar la pruebas pertinentes para comprobar que funciona.

```
ser@ser:~$ php --version
PHP 8.3.6 (cli) (built: Sep 30 2024 15:17:17) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.3.6, Copyright (c) Zend Technologies
    with Zend OPcache v8.3.6, Copyright (c), by Zend Technologies
ser@ser:~$
```



Ejercicio 6. Crea una web con un formulario que inserte datos en la tabla 'persona' y desplegarla en el servidor creado utilizando Git y GitHub.



Ejercicio 7. Aprende a realizar cambios en la web desde local y que se vean reflejados en el servidor.

